

Cane Sugar Refining: 2002

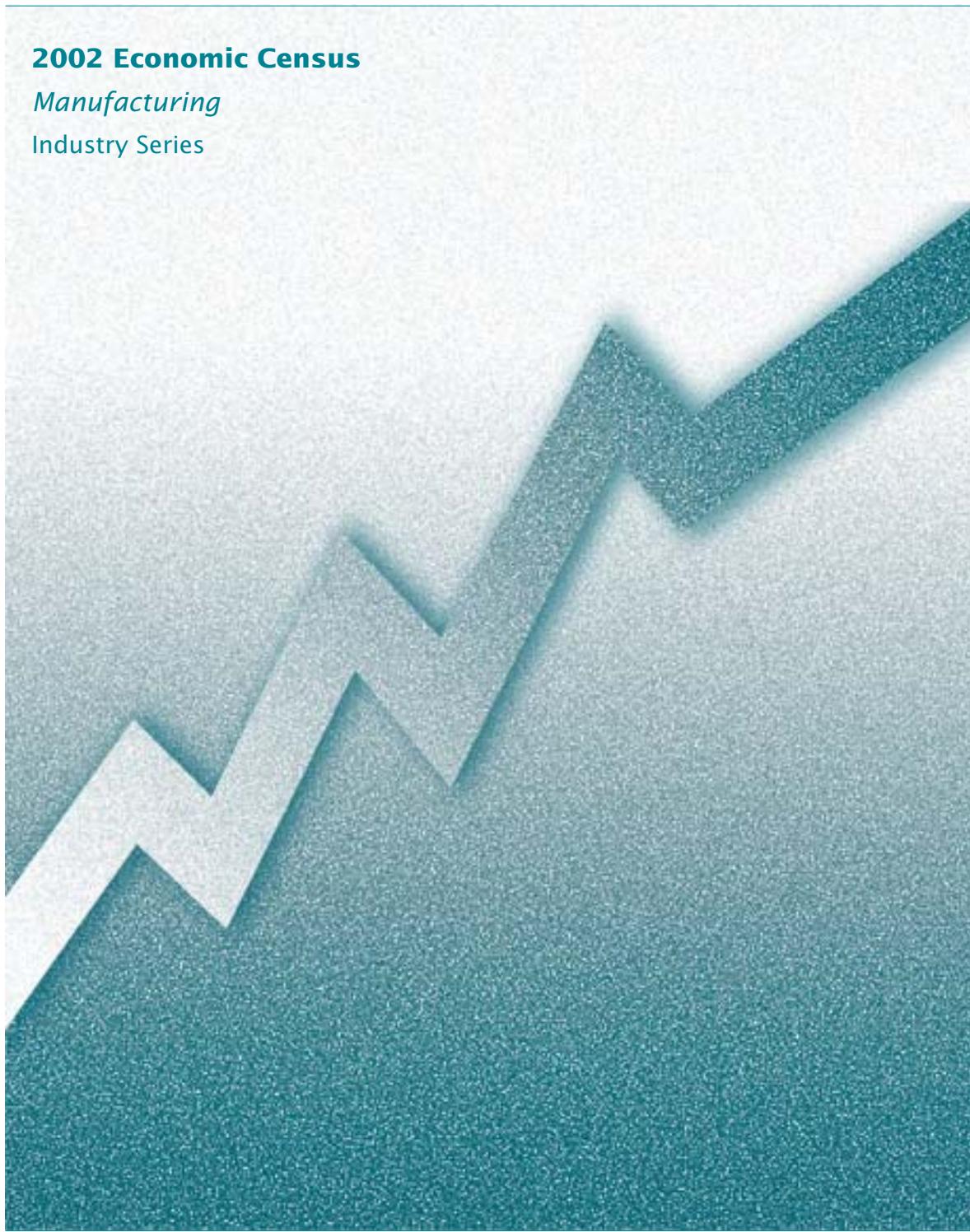
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2002 Economic Census

Manufacturing

Industry Series



U.S. CENSUS BUREAU

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
311312, Cane sugar refining	2002..	14	20	4 523	196 771	3 185	7 608	130 680	647 888	2 315 620	3 000 141	46 669
	2001..	N	N	4 063	216 693	2 783	6 361	139 627	387 433	2 135 964	2 538 735	30 071
	2000..	N	N	3 866	203 249	2 899	7 076	134 976	575 109	2 373 424	2 927 237	35 749
	1999..	N	N	4 140	220 169	3 106	7 511	145 035	585 983	2 493 878	3 081 711	37 300
	1998..	N	N	3 938	198 015	2 864	7 182	131 442	596 782	2 726 916	3 321 974	31 329
	1997..	12	18	3 891	191 663	2 823	6 833	126 215	540 141	2 677 639	3 209 186	44 528

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[Not applicable for this report]

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
311312, Cane sugar refining	
Companies ¹	number.. 14
All establishments ²	number.. 20
Establishments with 1 to 19 employees	number.. 8
Establishments with 20 to 99 employees	number.. 1
Establishments with 100 employees or more	number.. 11
All employees ³	number.. 4 523
Total compensation	\$1,000.. 241 975
Annual payroll	\$1,000.. 196 771
Total fringe benefits	\$1,000.. 45 204
Production workers, average for year	number.. 3 185
Production workers on March 12	number.. 3 208
Production workers on May 12	number.. 3 149
Production workers on August 12	number.. 3 185
Production workers on November 12	number.. 3 197
Production worker hours	1,000.. 7 608
Production worker wages	\$1,000.. 130 680
Total cost of materials	\$1,000.. 2 315 620
Materials, parts, containers, packaging, etc., used	\$1,000.. 2 204 412
Resales	\$1,000.. 19 228
Purchased fuels	\$1,000.. 51 400
Purchased electricity	\$1,000.. 21 647
Contract work	\$1,000.. 18 933
Quantity of electricity purchased for heat and power	1,000 kWh.. 372 786
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 127 162
Total value of shipments	\$1,000.. 3 000 141
Primary products value of shipments	\$1,000.. 2 937 725
Secondary products value of shipments	\$1,000.. 42 113
Total miscellaneous receipts	\$1,000.. 20 303
Value of resales	\$1,000.. 20 303
Contract receipts	\$1,000.. –
Other miscellaneous receipts	\$1,000.. –
Primary products specialization ratio	percent.. 99
Value of primary products shipments made in all industries	\$1,000.. 2 959 924
Value of primary products shipments made in this industry	\$1,000.. 2 937 725
Value of primary products shipments made in other industries	\$1,000.. 22 199
Coverage ratio	percent.. 99
Value added	\$1,000.. 647 888
Total inventories, beginning of year	\$1,000.. 316 603
Finished goods inventories	\$1,000.. 176 026
Work-in-process inventories	\$1,000.. 14 423
Materials and supplies inventories	\$1,000.. 126 154
Total inventories, end of year	\$1,000.. 275 186
Finished goods inventories	\$1,000.. 140 693
Work-in-process inventories	\$1,000.. 13 123
Materials and supplies inventories	\$1,000.. 121 370
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 1 129 654
Total capital expenditures (new and used)	\$1,000.. '46 669
Buildings and other structures (new and used)	\$1,000.. '7 712
Machinery and equipment (new and used)	\$1,000.. '38 957
Automobiles, trucks, etc., for highway use	\$1,000.. '1 847
Computers and peripheral data processing equipment	\$1,000.. '2 268
All other expenditures for machinery and equipment	\$1,000.. '34 842
Total retirements	\$1,000.. '38 000
Gross value of depreciable assets at end of year	\$1,000.. '1 138 323
Depreciation charges during year	\$1,000.. '55 935
Total rental payments	\$1,000.. 23 634
Buildings and other structures	\$1,000.. 3 035
Machinery and equipment	\$1,000.. 20 599
Total other expenses ⁴	\$1,000.. D
Response coverage ratio ⁵	percent.. 20
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. D
Communications services ⁴	\$1,000.. D
Legal services ⁴	\$1,000.. –
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. D
Advertising and promotional services ⁴	\$1,000.. 8
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. D
Refuse removal (including hazardous waste) services ⁴	\$1,000.. D
Management consulting and administrative services ⁴	\$1,000.. D
Taxes and license fees ⁴	\$1,000.. D
All other expenses ⁴	\$1,000.. D

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All estab- lishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311312, Cane sugar refining											
All establishments	7	20	4 523	196 771	3 185	7 608	130 680	647 888	2 315 620	3 000 141	146 669
Establishments with—											
1 to 4 employees.....	8	7	15	436	9	16	207	502	1 082	1 595	16
5 to 9 employees.....	—	—	a	—	D	D	D	—	D	D	D
10 to 19 employees	—	1	b	D	D	D	D	D	D	D	D
20 to 49 employees	—	1	—	—	D	D	D	—	—	—	—
50 to 99 employees	—	—	—	—	—	—	—	—	—	—	—
100 to 249 employees	5	2	e	D	D	D	D	D	D	D	D
250 to 499 employees	7	7	2 540	124 425	1 982	4 648	83 380	323 234	1 459 939	1 819 979	131 487
500 to 999 employees	9	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	9	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	4	7	175	3	6	75	207	808	1 009	17

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
311312	Cane sugar refining.....	20	4 523	196 771	3 185	7 608	130 680	647 888	2 315 620	3 000 141	146 669
3113120	Refined granulated cane sugar and by-products	20	4 523	196 771	3 185	7 608	130 680	647 888	2 315 620	3 000 141	146 669

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311312	Cane sugar refining	2002..	N	X	2 959 924
		1997..	N	X	3 186 963
3113120	Refined granulated cane sugar and by-products	2002..	N	X	2 959 924
31131201	Refined cane sugar, cube and tablet, shipped in small individual packets	1997..	N	X	3 186 963
3113120111	Refined cane sugar, cube and tablet, shipped in small individual packets	1,000 s tons..	2002..	4	158 746
		1997..	3	X	D
31131202	Refined cane sugar, including cube and tablet, shipped in consumer units 25 lbs or less.....	2002..	N	X	979 203
3113120221	Refined cane sugar, including cube and tablet, shipped in consumer units 25 lbs or less.....	1997..	N	X	948 492
31131203	Refined granulated cane sugar, including cube and tablet sugar, shipped in commercial units (bags and other containers greater than 25 lb)	2002..	N	X	979 203
		1997..	N	X	948 492
3113120331	Refined granulated cane sugar, including cube and tablet sugar, shipped in commercial units (bags and other containers more than 25 lb)	1,000 s tons..	2002..	4	304 619
		1997..	4	X	707 607
31131204	Refined granulated cane sugar, including cube and tablet sugar, shipped in bulk (rail cars, trucks, or bins).....	2002..	N	X	429 653
3113120441	Refined granulated cane sugar, including cube and tablet sugar, shipped in bulk (rail cars, trucks, or bins).....	1,000 s tons..	2002..	4	D
31131205	other cane sugar refining products and byproducts	2002..	N	X	429 653
3113120551	Refined confectioners' powdered cane sugar, shipped in consumer units (containers 10 lb or less)	1,000 s tons..	2002..	3	611 230
		1997..	5	X	570 446
3113120561	Refined confectioners' powdered cane sugar, shipped in commercial units (containers greater than 10 lb)	1,000 s tons..	2002..	3	73 982
		1997..	5	X	61 208
3113120571	Refined soft or brown cane sugar, shipped in consumer units (containers 10 lb or less)	1,000 s tons..	2002..	3	4 293.2
		1997..	5	X	D
3113120581	Refined soft or brown cane sugar, shipped in commercial units (containers greater than 10 lb)	1,000 s tons..	2002..	3	92.4
		1997..	5	X	79 822
3113120591	Refined liquid cane sugar or sugar syrup, sucrose type	1,000 s tons..	2002..	3	92 214
		1997..	5	X	D
31131205A1	Refined liquid cane sugar or sugar syrup, invert and/or partially invert type	1,000 s tons..	2002..	2	126.0
		1997..	6	X	D
31131205B1	Other refined cane sugar products and by-products, including refiners' blackstrap and syrup	1,000 s tons..	2002..	1	334.1
		1997..	3	X	D
3113120Y	Cane sugar refining, nsk, total	2002..	N	X	7 621
3113120YWW	Cane sugar refining, nsk, for nonadministrative-record establishments	1997..	N	X	D
3113120YWY	Cane sugar refining, nsk, for administrative-record establishments	2002..	N	X	476 473
		1997..	N	X	20 209
			N	X	475 478
			N	X	18 856
			N	X	995
			N	X	1 353

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p=10 to 19 percent estimated; q=20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
311312	Cane sugar refining		
00900001	Total materials	2002.. X 2 204 412 1997.. X 2 566 385	
11193000	Sugar cane	1,000 s tons 2002.. D 1997.. N	D N
31131100	Raw cane sugar (converted to 96 percent basis).....	1,000 s tons 2002.. S 1997.. 5 972.2	1 893 513 2 398 421
11199100	Sugar beets	1,000 s tons 2002.. D 1997.. N	D N
32221001	Paperboard containers, boxes, and corrugated paperboard	2002.. X 7 077 1997.. X D	
001900A1	Packaging paper and plastics film, coated and laminated	2002.. X 27 696 1997.. X 69 230	
001900A3	Bags (plastics, foil, and coated paper).....	2002.. X D 1997.. X D	
32222401	Bags (uncoated paper and multiwall)	2002.. X D 1997.. X D	
00970099	All other materials and components, parts, containers, and supplies.....	2002.. X 35 140 1997.. X 57 233	
00971000	Materials, ingredients, containers, and supplies, nsk	2002.. X 971 1997.. X 2 488	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p=10 to 19 percent estimated; q=20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.